

AMENDMENTS TO THE SPECIFICATION

IN THE SPECIFICATION

Please amend the paragraph on page 6, line 18 as follows:

In a preferred embodiment, the polynucleotide has the following SEQ ID ~~N~~^o NO: 2:

Please amend the paragraph on page 7, line 17 as follows:

In a preferred embodiment, the plasmid pSU108 (7) containing STxB fragment was modified to introduce the Cysteine codon TGT at the 3' end of the B-fragment cDNA. The primers for step b) are respectively for AA' and BB':

- primer A: 5'-AGCGAAGTTATTTTTCGTTGTTGACTCAGAATAGCTC-3' (SEQ ID NO: 3), and
- primer B: 5'-GAGCTATTCTGAGTCAACACGAAAAATAACTTC-3' (SEQ ID ~~n~~^o NO: 4).
- primer A': primer ShigaAtpE: 5'-CACTACTACGTTTTTAAC-3' (SEQ ID ~~n~~^o NO: 5), and
- primer B': primer Shiga-fd: 5'-CGGCGCAACTATCGG-3' (SEQ ID ~~n~~^o NO: 6).

Please amend the paragraph on page 12, line 18 as follows:

In a preferred embodiment, the plasmid pSU108 (7) was modified to introduce the Cysteine codon tgt at the 3' end of the B-fragment cDNA. PCR primer A: SEQ ID ~~n~~^o NO: 3 (5'-AGCGAAGTTATTTTTCGTTGTTGACTCAGAATAGCTC-3') and primer A': SEQ ID ~~n~~^o NO: 4 (5'-GAGCTATTCTGAGTCAACACGAAAAATAACTTC-3') were used with plasmid specific primers ShigaAtpE: SEQ ID ~~n~~^o NO: 5 (5'-CACTACTACGTTTTTAAC-3') and Shiga-fd: SEQ ID

n^oNO: 6 (5'-CGGCGCAACTATCGG-3') to produce DNA fragments which, in a second PCR with primers Shiga AtpE and Shiga-fd yielded a fragment that was cloned into the SphI and Sall restriction sites of pSU108. Sequences derived by PCR were verified by dideoxy-sequencing.

Please amend the paragraph on page 16, line 22 as follows:

A peptide carrying class I- and II- restricted antigenic peptides from chicken ovalbumin (Br-CH₂-CO-NH-LEQLESIINFELTEWSLKISQAVHAAHAEINEAGR (SEQ ID NO: 7), sequences 257-264 and 323-339 were coupled to STxB-Cys, and the class I- and class II- restricted presentation of these peptides were assayed using the corresponding T-cell hybridomas.

IN THE SEQUENCE LISTING

Please replace the Sequence Listing of record with the Substitute Sequence Listing enclosed herewith.